

Date: Mon, 2 Aug 93 14:39:50 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #924
To: Info-Hams

Info-Hams Digest Mon, 2 Aug 93 Volume 93 : Issue 924

Today's Topics:

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Repeaters in Morristown, NJ Area?
 TNC keys DJ-580
 W9GR Low cost DSP kit ...

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 31 Jul 93 17:06:51 GMT
From: amusing!goldmine!elt@uunet.uu.net
Subject: ARRL Internet connection
To: info-hams@ucsd.edu

In article <1885@arrl.org> jbloom@arrl.org (Jon Bloom, KE3Z) writes:
>In rec.radio.amateur.misc, datwyler@moons.sim.es.com (Doug Datwyler) writes:

>>I agree that the ARRL should be here, as they are promoting the hobby,
>>adding to discussions, fueling flames, dousing flames, etc....

>>

>>This discussion should end soon.

>

>Yes, please. The "vote" in news and email is one against, everyone
>else for. Case closed.

>-----

>Jon Bloom, KE3Z | jbbloom@arrl.org
>American Radio Relay League |
>225 Main St., Newington CT 06111 |

Yeah, in news.admin they fight for the right of child molesters to use
usenet too. Won't comment on that... but in almost every newsgroup an
organization gets flamed for promoting its own bussiness on the net.
But I'm glad you're here. How's the saying go? "Keep your friends close
and your enemies closer." I fact, I recommend that anyone that is supicious
or unloving of the ARRL join. I did.

--

Ed Taychert (AA2MZ) | Never be good at anything you don't like doing.
elt@irony.com | Disclaimer: My boss doesn't know I use his computer.

Date: Mon, 2 Aug 1993 02:41:33 GMT
From: munnari.oz.au!bruce.cs.monash.edu.au!trlluna!titan!pcies4.trl.OZ.AU!
drew@uunet.uu.net
Subject: CW Procedure- a curly one
To: info-hams@ucsd.edu

Here's a question for fellow CW fans on the question of etiquette;

You have just finished a QSO with a station in (say) Germany. You
answered his CQ; so it's nominally "his" frequency. At exchange of
SK, another station now calls you. As far as you can hear, the other
station has received no other calls. Is it ok for you now to reply to the
caller, or should I QSY to a nearby clear spot and call? That is, does the
frequency come "up-for-grabs" at exchange of SK?

If the station I have just finished with is a rare one, then naturally I
leave the frequency for him/her. But quite often, when finishing with a
regular station, one or two stations will call me- but the other
operator was there first. Common sense usually sorts it out. Is there
a convention?

73, Drew, VK3XU.

Date: 1 Aug 93 00:22:50 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 23 July
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 204, 07/23/93
10.7 FLUX=109.8 90-AVG=108 SSN=097 BKI=2221 2102 BAI=005
BGND-XRAY=B1.7 FLU1=1.3E+05 FLU10=1.2E+04 PKI=3221 2112 PAI=007
BOU-DEV=017,016,011,007,010,006,002,010 DEV-AVG=009 NT SWF=00:000
XRAY-MAX= C1.0 @ 2150UT XRAY-MIN= B1.4 @ 2127UT XRAY-AVG= B2.6
NEUTN-MAX= +002% @ 2350UT NEUTN-MIN= -002% @ 0625UT NEUTN-AVG= +0.2%
PCA-MAX= +0.2DB @ 1540UT PCA-MIN= -0.2DB @ 2020UT PCA-AVG= +0.0DB
BOUTF-MAX=55375NT @ 1416UT BOUTF-MIN=55348NT @ 1828UT BOUTF-AVG=55363NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+075,+000,+000
GOES6-MAX=P:+116NT@ 1546UT GOES6-MIN=N:-062NT@ 2103UT G6-AVG=+101,-018,-045
FLUXFCST=STD:105,100,100;SESC:105,100,100 BAI/PAI-FCST=005,005,010/010,010,010
KFCST=1123 1222 1123 1222 27DAY-AP=009,007 27DAY-KP=3311 2223 2122 2221
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 22 JUL 93 was 82.0.
The Full Kp Indices for 22 JUL 93 are: 3- 3o 3- 4- 3- 2o 3o 2-

Date: 1 Aug 93 01:14:45 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 24 July
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 205, 07/24/93
10.7 FLUX=106.4 90-AVG=108 SSN=092 BKI=1102 0101 BAI=002
BGND-XRAY=B1.6 FLU1=9.3E+05 FLU10=1.1E+04 PKI=1112 1221 PAI=005
BOU-DEV=008,005,004,010,004,008,004,006 DEV-AVG=006 NT SWF=00:000
XRAY-MAX= B5.6 @ 0123UT XRAY-MIN= B1.4 @ 2359UT XRAY-AVG= B1.8
NEUTN-MAX= +003% @ 2315UT NEUTN-MIN= -001% @ 2215UT NEUTN-AVG= +0.6%
PCA-MAX= +0.2DB @ 1550UT PCA-MIN= -0.2DB @ 0140UT PCA-AVG= +0.0DB
BOUTF-MAX=55374NT @ 1343UT BOUTF-MIN=55343NT @ 1722UT BOUTF-AVG=55364NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+077,+000,+000
GOES6-MAX=P:+121NT@ 1658UT GOES6-MIN=N:-059NT@ 2041UT G6-AVG=+100,-016,-041
FLUXFCST=STD:095,090,100;SESC:095,090,100 BAI/PAI-FCST=005,010,010/007,010,010
KFCST=2222 2222 2333 3222 27DAY-AP=007,006 27DAY-KP=2122 2221 2112 2232
WARNINGS=
ALERTS=

!!END-DATA!!

NOTE: The Effective Sunspot Number for 23 JUL 93 was 75.0.

The Full Kp Indices for 23 JUL 93 are: 3- 2+ 2+ 1+ 2+ 1o 1o 2-

Date: 1 Aug 93 02:04:44 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 25 July
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 206, 07/25/93
10.7 FLUX=102 90-AVG=108 SSN=080 BKI=1211 0101 BAI=002
BGND-XRAY=B1.4 FLU1=2.8E+05 FLU10=1.1E+04 PKI=2221 1212 PAI=006
BOU-DEV=008,017,009,006,004,006,004,008 DEV-AVG=007 NT SWF=00:000
XRAY-MAX= B5.1 @ 0508UT XRAY-MIN= B1.2 @ 2359UT XRAY-AVG= B1.7
NEUTN-MAX= +003% @ 1925UT NEUTN-MIN= -002% @ 1155UT NEUTN-AVG= +0.4%
PCA-MAX= +0.1DB @ 1925UT PCA-MIN= -0.5DB @ 2340UT PCA-AVG= -0.0DB
BOUTF-MAX=55375NT @ 0059UT BOUTF-MIN=55355NT @ 1921UT BOUTF-AVG=55366NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+074,+000,+000
GOES6-MAX=P:+113NT@ 1444UT GOES6-MIN=N:-059NT@ 2010UT G6-AVG=+097,-018,-042
FLUXFCST=STD:100,105,110;SESC:100,105,110 BAI/PAI-FCST=010,010,015/010,010,020
KFCST=2333 3222 2333 3222 27DAY-AP=006,011 27DAY-KP=2112 2232 2224 3233
WARNINGS=
ALERTS=**SWEEP:II=1@0627-0632UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 24 JUL 93 was 76.0.

The Full Kp Indices for 24 JUL 93 are: 1o 1- 1+ 2- 1+ 2o 2o 1+

Date: 1 Aug 93 02:57:13 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 26 July
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 207, 07/26/93
10.7 FLUX=103.6 90-AVG=107 SSN=082 BKI=1301 1111 BAI=004
BGND-XRAY=B1.3 FLU1=3.0E+05 FLU10=1.1E+04 PKI=2211 1211 PAI=005
BOU-DEV=005,024,003,006,008,008,006,007 DEV-AVG=008 NT SWF=00:000
XRAY-MAX= B3.4 @ 2137UT XRAY-MIN= B1.2 @ 0315UT XRAY-AVG= B1.7
NEUTN-MAX= +004% @ 2150UT NEUTN-MIN= -001% @ 0820UT NEUTN-AVG= +1.3%
PCA-MAX= +0.2DB @ 1610UT PCA-MIN= -1.1DB @ 1955UT PCA-AVG= +0.0DB
BOUTF-MAX=55371NT @ 1319UT BOUTF-MIN=55347NT @ 1731UT BOUTF-AVG=55363NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+082,+000,+000
GOES6-MAX=P:+138NT@ 1703UT GOES6-MIN=N:-056NT@ 2000UT G6-AVG=+105,-017,-040

FLUXFCST=STD:100,100,105;SESC:100,100,105 BAI/PAI-FCST=010,015,020/010,020,020
KFCST=2333 3222 2333 3344 27DAY-AP=011,011 27DAY-KP=2224 3233 3232 2323
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 25 JUL 93 was 72.6.
The Full Kp Indices for 25 JUL 93 are: 2o 2+ 2- 1- 1+ 2+ 1o 2-

Date: Sat, 31 Jul 1993 14:26:02 GMT
From: swrinde!gatech!news-feed-2.peachnet.edu!concert!unccsun.uncc.edu!
jmcoving@network.ucsd.edu
Subject: DXCC processing time
To: info-hams@ucsd.edu

DXCC Datapoints:

I submitted for my first award, Mixed, 102 countries to the ARRL
this month and had the following response times:

July 12: sent to ARRL HQ (Express Mail)
July 13: arrived ARRL HQ
July 15: ARRL processes application
July 20: ARRL sends cards back to me (registered, first class)
July 23: I receive my cards and DXCC pin
July 29: I receive my DXCC certificate

As you can see, the cards were in ARRL's hands for
only one week (July 13-20). The whole process for me
took 17 days, which I find remarkable.

The DXCC backlog is truly history, and I commend the
ARRL for processing my application in a very short
period of time.

--
John Covington WN4BBJ Internet: jmcoving@mosaic.uncc.edu
P.O. Box 217122 MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ N7IJI.#CLT1.NC.USA.NA
(704) 537-7653 "Kenneth, what's the frequency?" "I dunno, ask Dan"

Date: 30 Jul 93 21:24:28 GMT
From: kronos.arc.nasa.gov!fariss@ames.arpa
Subject: Emergency Power Off
To: info-hams@ucsd.edu

jerry@key.amdahl.com (Jerry Pendleton) writes:

>I am rewiring my shack and I would like to put some EPO ("big red button")
>switch in strategic locations.

>The only problem is, I don't know how those work. I've been in plenty of
>computer rooms that have them but I've never looked at the wiring.

Get a big relay with a low voltage coil. Run the shack power through the relay contacts. Use a separate contact to hold the relay energized after it has been forced closed. Wire all your red buttons (Normally Closed) in series with the hold-in contacts. Wire a green button to force the relay closed when you want to turn the shack on. Turn the shack off with one of the red buttons.

That's how I did it.

```
=====
73, Gary B. Fariss      fariss@ptolemy.arc.nasa.gov      W6KYF @N0ARY
                        Recom Technologies, Inc. @ NASA Ames 415/604-3181
                        Mountain View, California 94035      MS: 269-4
```

Date: Wed, 28 Jul 1993 06:15:20 +0000
From: news!demon!llondel.demon.co.uk!dave@uunet.uu.net
Subject: How many people actually use paddles ?
To: info-hams@ucsd.edu

I use a paddle now (although my CW usage is almost nil because of the packet station in the shack :-()) but I started with a straight key. I would recommend you start with a straight key and switch to a paddle once you have the hang of the key (or when you get fast enough that your CW starts getting worse, which is what I did). That way you should have learned to use a key with the correct rhythm and used it long enough for it to stick for all time before you go on to use the paddle.

Dave

```
*****
* G4WRW @ GB7WRW.#41.GBR.EU AX25      * You think *you* have problems? *
* dave@llondel.demon.co.uk Internet * What do you do if you *are* *
* g4wrw@g4wrw.ampr.org Amprnet * a manically depressed robot?? *
*****
```

Date: Thu, 29 Jul 1993 18:04:47 GMT

From: pa.dec.com!nntpd2.cxo.dec.com!nntpd.lkg.dec.com!peavax.mlo.dec.com!
emds.enet.dec.com!hitz@decwrl.dec.com
Subject: How many people actually use paddles ?
To: info-hams@ucsd.edu

In article <1889@arrl.org>, jkearman@arrl.org (Jim Kearman) writes:

|>In rec.radio.amateur.misc, kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:
|><...>
|>>
|>>My latest acquisition is a Vibroplex "Original" bug. These have got to be
|>>the most difficult method of sending code ever devised ;-) Your speed must
|>>be matched to the resonant frequency of the shaft, and this seems to be too
|>>fast no matter what I do. So I guess I'll just have to learn 30wpm to use it.
|>>
|>You can wrap a piece of solder around the set screw on the weight
|>to slow it down even more. Weights are still available from
|>Vibroplex.
|>
|>Jim
|>
|>--
|>jkearman@arrl.org
|>

Combinations of clothespins - wooden or plastic - cut off or
with machine screw nuts attached make easily attached/detached
weights for speed variability.

George, W1DA
hitz@metrik.enet.dec.com

Date: 1 Aug 1993 14:30:25 -0400
From: vtserf.cc.vt.edu!csugrad.cs.vt.edu!not-for-mail@uunet.uu.net
Subject: Info wanted on 2M mobile
To: info-hams@ucsd.edu

I was about to purchase a Kenwood TM-241A, but the owner had a lightning
strike and so the radio is no longer avail. It would have come with the
RC-20 remote control head, I was very interested in the pair so I could
mount the head in the truck and take the radio inside with me at night.
So I'm trying to find out if there are any other options like this one
avail.

Also, is the IF-20 interface unit still available (to connect mutiple
single band Kenwoords to the RC-20), or was it discontinued like the

RC-20?

Any info on detachable face 2M mobiles or such would be helpful.

Thanks,

Joe Reid

--

Joe Reid

jreid@csugrad.cs.vt.edu

jreid@gnu.ai.mit.edu

rri!jreid@vtserf.cc.vt.edu

vpcjoe@vtcs1.cs.vt.edu

UNIX Systems Administrator, pool player, and professional do-nothing

Date: 2 Aug 93 17:44:56 GMT

From: ogicse!news.tek.com!tekgen!brucec@network.ucsd.edu

Subject: Making Trees Taller: Mounting Mast in Tree ??

To: info-hams@ucsd.edu

In my quest to build a big lazy H in my trees, it has become apparent that an extra 15 - 20 feet would help. Has anyone had experience mounting a mast on top of a tree (s)?

What kind of mast did you use? What kind of clamp ? What connection structure at the top of the mast?

Of course, I could wait about 10 years and the tree might grow that high. Reminds me of an old brain teaser - A man 6 feet tall pounds a nail in a tree at his height. The tree grows 1 foot per year. Ten years later he comes back. He hasn't shrunk. How high is the nail above his head now?

I will answer after I get responses to my post!

Bruce Cheney NI7M

Date: 31 Jul 93 23:08:56 GMT

From: ogicse!uwm.edu!cs.utexas.edu!swrinde!elroy.jpl.nasa.gov!kilroy!

gwalsh@network.ucsd.edu

Subject: MSY Final Tune-up Procedure ?

To: info-hams@ucsd.edu

Hello,


```
-...-. .-.-. -..-.-. -.-. -. .-.-. --- --.--- (-)(.)  
wdhyte@bnr.ca (Dave Hyte)      | ESN 624-2826   | Opinions/ideas are my own  
Bell-Northern Research Japan| DID 5421-2826 | (unless it sounds stupid, in  
Minato-ku, Tokyo, Japan 106 | +--+--+--+--+ | which case I stole it from ya)
```

Date: 2 Aug 1993 18:27:06 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!ksampath@network.ucsd.edu
Subject: Repeaters in Morristown, NJ Area?
To: info-hams@ucsd.edu

I am going to be in NJ (in Morristown, Red Bank area) this week.
It would be nice if some one can e-mail me some 2m/.7m repeaters
in the vicinity.

This is going to be my first trip with my ht! :-)

thanks
73
krishna, kb8fav

--
dr krishna s. sampath...senior research associate...kss@lenz.eng.ohio-state.edu
ohio state u, electroscience lab.....(614) 292-7981 (w).....(614) 292-7297 (f)
1320 kinneear rd, columbus, oh 43212..06/93 ee phd looking for emi/emc/comm. job

Date: Thu, 29 Jul 1993 12:24:27 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!hpscit.sc.hp.com!hplextra!
hpcc05!hpbbn!hpbbbrd!uweb@network.ucsd.edu
Subject: TNC keys DJ-580
To: info-hams@ucsd.edu

: >: pull-down resistor. (Not too small, though!)

: >:

: You can get the mini-sterio plug form Mosler Electronics, the center
: connector is supose to have 5 volts on it. I was told by an Alinco tech that
: you could damage the rig by shorting the connection.

^

^

That's a BBB (big bunch of baloney). The 5V are connected through a 100 Ohms
resistor to the connector. Now figure $(5 \times 5)/100$ thats 250 mW. Its quite hard
to damage an SMD-resistor or even the 5V regulator with that.

--
NAME Uwe Behle, HP Boeblingen Instruments Division
EMAIL uweb@hpbbn.bbn.hp.com (internet)\
df3du@db0sao.ampr.org (packet radio)

SNAIL Hewlett-Packard GmbH, BID R&D, Herrenberger Str. 130,\
 D-71034 Boeblingen, Germany
PHONE 011-49-7031-142016 (work)

Date: 2 Aug 93 18:48:28 GMT
From: ogicse!hp-cv!sdd.hp.com!col.hp.com!news.dtc.hp.com!srgenprp!
alanb@network.ucsd.edu
Subject: W9GR Low cost DSP kit ...
To: info-hams@ucsd.edu

Greg Chartrand (greg_chartrand@qmail.ssc.gov) wrote:

: In my humble opinion, I find the filter not to be very effective in
: enhancing weak signals. It is better suited as an accessory that makes
: "casual" listening less irritating.

I agree. For weak signals (signal-to-noise ratio close to 0 dB), the
noise-reduction filter makes very little difference. But for moderately
strong signals, the noise reduction is dramatic.

The automatic notch filter also works great. I don't do a lot of SSB
operating, but it seems to take those "tuner-uppers" right out.

AL N1AL

Date: Mon, 2 Aug 1993 13:40:18 GMT
From: usc!math.ohio-state.edu!uwm.edu!vixen.cso.uiuc.edu!newsrelay.iastate.edu!
news.iastate.edu!IASTATE.EDU!wjturner@network.ucsd.edu
To: info-hams@ucsd.edu

References <23c04b\$hhn@ornews.intel.com>, <1993Jul30.162038@IASTATE.EDU>,
<CB01BI.Hu1@odin.corp.sgi.com>IAS
Reply-To : wjturner@IASTATE.EDU (William J Turner)
Subject : Re: Need explanation of procedure in CW contacts.

Thanks to all who responded to my inquiry about AS. *I* know what it's for, but
I had my doubts if anyone else did. Thanks for helping build my confidence in
ham radio a little bit. :-)

--

Will Turner, N0RDV
wjturner@iastate.edu
twp77@isuvax.iastate.edu
TURNERW@vaxld.ameslab.gov

| "Are you going to have any professionalism, |
or am I going to have to beat it into you?"

Date: Sat, 31 Jul 1993 08:07:19 GMT
From: sdd.hp.com!cs.utexas.edu!convex!constellation!osuunx.ucc.okstate.edu!olesun!
gcouger@decwrl.dec.com
To: info-hams@ucsd.edu

References <9307281844.AA19646@opus.xyplex.com>,
<1993Jul29.000100.2718@TorreyPinesCA.ncr.com>,
<cole.252.743965770@soldev.tti.com>sun
Subject : Re: How many people actually use paddles ?

In article <cole.252.743965770@soldev.tti.com> cole@soldev.tti.com (Randy Cole)
writes:

>In article <1993Jul29.000100.2718@TorreyPinesCA.ncr.com>
kevin@TorreyPinesCA.ncr.com (Kevin Sanders) writes:

>
>As was mentioned, you can get extra speed weights for your Original
>from Vibroplex (1-800-AMATEUR). It'll cost \$8 for the weight and
>adjusting screw (ouch).
>

Better than adding another weight. A couple of peices of telescoping brass
tubing to make and extension to the arm and allow the pendulem longer is far
more effective at slowing down a bug. With careful work you can get it under
10 words per minute.

G

Gordon AB5Dg

Gordon Couger
Agriculture Engineering Oklahoma State University
114 Ag Hall, Stillwater, OK 74074
gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings

Date: 30 Jul 93 22:39:22 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!sdd.hp.com!math.ohio-state.edu!
magnus.acs.ohio-state.edu!ksampath@network.ucsd.edu
To: info-hams@ucsd.edu

References <1910@arrl.org>, <23c04b\$hhn@ornews.intel.com>,
<1993Jul30.162038@IASTATE.EDU>e.
Subject : Re: Need explanation of procedure in CW contacts.

In article <1993Jul30.162038@IASTATE.EDU> wjturner@IASTATE.EDU (William J Turner)
writes:

>
>Who out there in netland knows what to use AS for? I've had to use it and the
>other ham had *no* idea what I was doing. (BTW--I use a straight key, and was
>not reading any screen. :-)
>
>Will
>
the (as) is used often in w1aw code practice sessions especially at
the beginning and when the op is changing the page etc..... so, if
anyone else copies w1aw, the chances are that they know this symbol.

krishna
kb8fav

--
dr krishna s. sampath...senior research associate...kss@lenz.eng.ohio-state.edu
ohio state u, electroscience lab.....(614) 292-7981 (w).....(614) 292-7297 (f)
1320 kinnear rd, columbus, oh 43212..06/93 ee phd looking for emi/emc/comm. job

End of Info-Hams Digest V93 #924
